ELSEVIER

Chemistry and Physics of Lipids
101 (1999) 271

CPL
CHEMISTRY AND
PHYSICS OF LIPIDS

Volume contents

Volume 101 (1999)

Editorial
P.K.J. Kinnunen (Finland) *Peripheral interactions on lipid membrane surfaces* 1

M. Langner, K. Kubica (Poland) *The electrostatics of lipid surfaces* 3
G.L. Nelsestuen (USA) *Significance of reduced dimensionality in reaction kinetics: impact of multi-site particles* 37
R.S. Cantor (USA) *The influence of membrane lateral pressures on simple geometric models of protein conformational equilibria* 45
R.M. Epand, R. Kraayenhof (Canada, The Netherlands) *Fluorescent probes used to monitor membrane interfacial polarity* 57
I. Ueda, T. Yoshida (USA, Japan) *Hydration of lipid membranes and the action mechanisms of anesthetics and alcohols* 65
M. Umeda, K. Emoto (Japan) *Membrane phospholipid dynamics during cytokinesis: regulation of actin filament assembly by redistribution of membrane surface phospholipid* 81
P.A. Janmey, W. Xian, L.A. Flanagan (USA) *Controlling cytoskeleton structure by phosphoinositide–protein interactions: phosphoinositide binding protein domains and effects of lipid packing* 93
M. Krönke (Germany) *Biophysics of ceramide signaling: interaction with proteins and phase transition of membranes* 109
M.I. Angelova, I. Tsoneva (Bulgaria) *Interactions of DNA with giant liposomes* 123

Preface 139

Abstract Section 141

M.D. Gernon, J.G. Turcotte, R.H. Notter, M. Wu, Y. Lear, J.L. Snelgrove, A.L. Schwan (USA, Canada) *The reaction of thiolates with 2,3-dibromo-1-propanol revisited: application to the synthesis of bis(fattyalkylthio)propanols* 215
J. Milhaud, B. Michels (France) *Binding of nystatin and amphotericin B with sterol-free L-dilauroylphosphatidylcholine bilayers resulting in the formation of dichroic lipid superstructures* 223
M.S.F. Lie Ken Jie, M.M.L. Lau (Hong Kong) *Ultrasound assisted synthesis of pyrazole fatty ester derivatives from a key C_{18} keto-allenic ester* 237
L. Li, I. Gryczynski, J.R. Lakowicz (USA) *Resonance energy transfer study using a rhenium metal–ligand lipid conjugate as the donor in a model membrane* 243
M.P. Mora, C. Tourne-Peteilh, M. Charveron, B. Fabre, A. Milon, I. Muller (France) *Optimisation of plant sterols incorporation in human keratinocyte plasma membrane and modulation of membrane fluidity* 255

Author Index–Volume 101 267
Subject Index–Volume 101 269
Contents–Volume 101 271